

Chuska Energy Co., Black Rock #5
16.40N.29E. SW SW #868

COUNTY APACHE AREA BLACK ROCK FIELD LEASE NO. NAVAJO TRIBE
NOG 8702-1116

WELL NAME CHUSKA ENERGY COMPANY, BLACK ROCK #5

LOCATION SW SW SEC 16 TWP 40N RANGE 29E FOOTAGE 970' FSL, 880' FWL
ELEV 6660' GR 6672' KB SPUD DATE 1/22/90 STATUS GAS TOTAL
COMP. DATE 3/2/90 DEPTH 6132'

CONTRACTOR AZTEC DRILLING COMPANY

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
8 5/8"	505'	410 sx		<u>X</u>
5 1/2"	6132'	1526 sx		
				DRILLED BY CABLE TOOL
				PRODUCTIVE RESERVOIR <u>PARADOX FM</u>
				INITIAL PRODUCTION <u>6727 MCF/D</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
UPPER ISMAY	5282			TOPS SUPPLIED BY OPERATOR
LOWER ISMAY	5340			
DESERT CREEK	5417			
AKAH	5566			
BARKER CREEK	5722			
PINKERTON TRAIL	5844			
MOLAS	6050			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
DLL/SP/MSFL/GR/CAL,	SEE COMPLETION RPT		SAMPLE DESCRP.
LDT/CNL/GR, NGT,			SAMPLE NO. <u>1868</u>
MICROLOG, CSI			CORE ANALYSIS
			DSTs
REMARKS			APP. TO PLUG
			PLUGGING REP.
			COMP. REPORT <u>3/5/90</u>

WATER WELL ACCEPTED BY

BOND CO. VALLEY NATIONAL BANK, PHOENIX BOND NO. C.D. #2578904
BOND AMT. \$25,000 CANCELLED DATE 12/10/89 ORGANIZATION REPORT X
FILING RECEIPT 2902 LOC. PLAT WELL BOOK X PLAT BOOK X
API NO. 02-001-20287 DATE ISSUED 1/2/90 DEDICATION SW 1/4

PERMIT NUMBER 868

(over)

AZ OIL & GAS CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG									
DESIGNATE TYPE OF COMPLETION: New Well <input checked="" type="checkbox"/> Work-Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Same Reservoir <input type="checkbox"/> Different Reservoir <input type="checkbox"/> Oil <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Dry <input type="checkbox"/>									
DESCRIPTION OF WELL AND LEASE									
Operator Chuska Energy Company				Address 315 North Behrend, Farmington, New Mexico 87401					
Federal, State or Indian Lease Number or name of lessor if free lease Black Rock				Well Number 5		Field & Reservoir Black Rock/Paradox			
Location 970' FSL, 880' FWL				County Apache					
Sec. TWP-Range or Block & Survey S16 T40N R29E									
Date spudded 1-22-90		Date total depth reached 2-7-90		Date completed, ready to produce 3-2-90		Elevation (DF, RKB, RT or Gr.) 6660' GR feet		Elevation of casing hd. flange 6660' GR feet	
Total depth 6132' MD		P.B.T.D. 6093' MD		Single, dual or triple completion? Single		If this is a dual or triple completion, furnish separate report for each completion.			
Producing interval (s) for this completion 5,342' - 5,992' Paradox				Rotary tools used (interval) Rotary		Cable tools used (interval)			
Was this well directionally drilled? No		Was directional survey made? No		Was copy of directional survey filed? N/A		Date filed N/A			
Type of electrical or other logs run (check logs filed with the commission) DLI/SP/MSFL/GR/Cal. LDT/CNL/GR. NGI, Microlog, CST									
CASING RECORD									
Casing (report all strings set in well - conductor, surface, intermediate, producing, etc.)									
Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled			
Surface	12 1/4"	8 5/8"	24	505'	410	-			
Production	7 7/8"	5 1/2"	15.5	6,132'	1,526	-			
TUBING RECORD									
Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft)		
2 7/8"	5,321' ft.	5,321' ft.	in.	ft.	ft.				
PERFORATION RECORD									
Number per ft.	Size & type	Depth Interval	Am't. & kind of material used			Depth Interval			
See Reverse Side			See Reverse Side						
INITIAL PRODUCTION									
Date of first production 3-2-90		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:) Flowing							
Date of test 3-2-90	Hrs. tested 1 1/2	Choke size -	Oil prod. during test -	Gas prod. during test 6,727 MCF	Water prod. during test 5	Oil gravity *API (Corr)			
Tubing pressure 670	Casing pressure 0	Cal'd rate of Production per 24 hrs.	Oil -	Gas 6,727 MCF	Water -	Gas-oil ratio			
Disposition of gas (state whether vented, used for fuel or sold): Vented									
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>Operations Manager</u> of the <u>Chuska Energy Company</u> (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.									
Date 3-5-90			Signature <u>Donald S. Barnes</u> Donald S. Barnes						
Permit No. <u>868</u>				STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Well Completion or Recompletion Report and Well Log Form No. 4 File One Copy					

DETAIL OF FORMATIONS PENETRATED			
FORMATION	TOP	BOTTOM	DESCRIPTION*
Upper Ismay	5282	5340	
Lower Ismay	5340	5417	
Desert Creek	5417	5566	
Akah	5566	5722	
Barker Creek	5722	5844	
Pinkerton Trail	5844	6050	
Molas	6050	6132	
PERFORATION, ACIDIZATION AND CEMENT SQUEEZE RECORD			
Lower Akah	5686	5693) 250 gal 28% MSR-100, 3500 gal 28% HCl gelled acid.) Squeezed off perforations with 100 sx Class 'G' cement
Upper Akah	5601	5606) 250 gal 28% MSR-100, 3500 gal 28% HCl gelled acid.) Squeezed off perforations with 140 sx Class 'G' cement
Pinkerton Trail	5902	5911) 250 gal 28% MSR-100, 2000 gal 28% HCl gelled acid. Valve failed.) Re-acidized. 250 gal 28% MSR-100, 1500 gal 28% HCl gelled acid
	5958	5962) 250 gal 28% MSR-100, 4000 gal 28% HCl gelled acid
	5988	5992)
Barker Creek	5810	5819) 500 gal 28% MSR-100, 7000 gal 28% HCl gelled acid
	5821	5826)
Desert Creek	5452	5458	250 gal 28% MSR-100, 3000 gal 28% HCl gelled acid
	5524	5529	250 gal 28% MSR-100, 2500 gal 28% HCl gelled acid
Lower Ismay	5342	5348	250 gal 28% MSR-100, 3000 gal 28% HCl gelled acid
	5409	5412	250 gal 28% MSR-100, 2500 gal 28% HCl gelled acid
All perforations were @ 2 spf using 4" casing guns with Schlumberger HJ II charges			

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Gas Conservation Commission not later than thirty days after project completion.

Form No. 4

AUG 17 '93 08:52 CHUSK ARMINGTON NM

P.3

Tech:
ULRICH

HALLIBURTON DISTRICT LABORATORY
WATER ANALYSIS DATA SHEET

Analysis Date: 8-16-93

Report No. _____

To:

CHUSKA

Permit 868

Submitted By Chuska Energy Company Date Received 8-16-93

Well Number BLACK ROCK #5

Location SW/4SW/4 16-40N-29E Formation Commingle

water collected from separator dump

Data For Report

Specific Gravity 1.018

pH 6.81

Aliquot or Dilution	Ion	Calculation	ppm
	Fe Log		<u>9</u>
	K & T		
	Na & T		<u>9,461</u>
	Ca		<u>1,462</u>
	Mg		<u>142</u>
	Cl		<u>15,700</u>
	SO4 Log		<u>2,300</u>
	CO3		
	HCO3		<u>380</u>
	TDS		<u>29,454</u>

Rw .28 @ 77 °F

Notice

This report is based on sound engineering practices, but because of variable well conditions and other information which must be relied upon, Halliburton Services makes no warranty, express or implied, as to the accuracy of the data or of any calculations or opinions expressed herein. You agree that Halliburton shall not be liable for any loss or damage whether due to negligence or otherwise arising out of or in connection with such data, calculations or opinions.

SUNDY NOTICES AND REPORTS

AZ OIL & GAS
CONSERVATION COMMISSION1. Name of Operator Chuska Energy Limited2. OIL WELL ☐ GAS WELL ☒ OTHER ☐ (Specify) MAR 8 19903. Well Name Black Rock #5Location 970' FSL, 880' FWLSec. 16 Twp. 40N Rge. 29E County Arizona

4. Federal, State or Indian Lease Name, or lessor's name if fee lease

NOG 8702-1116 Navajo Tribal5. Field or Pool Name Black Rock

6. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO

SUBSEQUENT REPORT OF

TEST WATER SHUT OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(OTHER) <input type="checkbox"/>	

WATER SHUT OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
	ABANDONMENT <input type="checkbox"/>
(OTHER) <u>First sale of gas</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion
or Recompletion Report and Log Form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

First delivery of Sales Gas occurred at 1045 hrs, 03-02-90. Flowing at estimated rate of 6,727 Mcfd.

8. I hereby certify that the foregoing is true and correct.

Signed

Donald S. Barnes

Title

Operations ManagerDate 3-5-90

Permit No.

868

Form No. 25

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports on Wells
File One Copy

AZ OIL & GAS
CONSERVATION COMMISSION

SUNDRY NOTICES AND REPORTS

FEB 16 1990

1. Name of Operator Chuska Energy Limited
2. OIL WELL ☐ GAS WELL ☒ OTHER ☐ (Specify) _____
3. Well Name BLACK ROCK #5
- Location 970' FSL, 880' FWL
- Sec. 16 Twp. 40N Rge. 29E County APACHE, Arizona.
4. Federal, State or Indian Lease Name, or lessor's name if fee lease _____
NOG 8702-1116 Navajo Tribal
5. Field or Pool Name BLACK ROCK
6. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO

SUBSEQUENT REPORT OF

- | | | | |
|--|---|--|---|
| TEST WATER SHUT OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT OFF <input type="checkbox"/> | MONTHLY PROGRESS <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | DIRECTIONAL DRILL <input type="checkbox"/> | FRACTURE TREATMENT <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | PERFORATE CASING <input type="checkbox"/> | SHOOTING OR ACIDIZING <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | | ABANDONMENT <input type="checkbox"/> |
| (OTHER) _____ <input type="checkbox"/> | | (OTHER) OPERATIONS - PRODUCTION CASING _____ <input checked="" type="checkbox"/> | |

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

2-8-90
RIGGED UP AND RAN 138 JOINTS (6,146.85') 5-1/2", 15.5 LB/FT, K-55, STC CASING, EQUIPPED WITH GUIDE SHOE AND DIFFERENTIAL FLOAT COLLAR AND STAGE TOOL AT 3,185'. CEMENTED AS FOLLOWS:

FIRST STAGE:
438 SX 65:35 POZ WITH 6% GEL, 0.5% D-127, 1% CACL2 AND 1-1/4 LB/SK CELLOFLAKE, FOLLOWED WITH 363 SX CLASS '6' WITH 3% KCL, 0.6% D-60 AND 1/4 ;8/SK CELLOFLAKE. PLUG DOWN AT 0718 HRS, 2-9-90. OPENED STAGE TOOL AND CIRCULATED 4 HRS BETWEEN STAGES.

SECOND STAGE:
725 SX 65:35 POZ WITH 6% GEL, 0.5% D-127, 1% CACL2 AND 1-1/4 LB/SK CELLOFLAKE. PLUG DOWN 1308 HRS, 2-9-90.

8. I hereby certify that the foregoing is true and correct.

Signed Donald S. Barnes Title Operations Manager Date 2-14-90
Donald S. Barnes

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports on Wells
File One Copy

Permit No. 868

Form No. 25

TREATMENT NUMBER		DATE
7220		2-9-90
STAGE	DS	DISTRICT
		Administration

DS-496 PRINTED IN U.S.A.

D5496 PRINTED IN U.S.A. WELL NAME AND NO. <u>Block 10 #5</u>		LOCATION (LEGAL) <u>SECTION 18 T40N R21E</u>		RIG NAME: <u>Artco #301</u>																																																							
FIELD POOL <u>Block 10</u>		FORMATION <u>ARTCO</u>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">WELL DATA:</th> <th colspan="2">BOTTOM</th> <th colspan="2">TOP</th> </tr> <tr> <td>BIT SIZE <u>7 7/8</u></td> <td>CSG/Liner Size <u>5 1/2</u></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TOTAL DEPTH <u>410</u></td> <td>WEIGHT <u>125</u></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> ROT <input type="checkbox"/> CABLE</td> <td>FOOTAGE <u>341 1/2</u></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MUD TYPE <u>3-1</u></td> <td>GRADE</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> BHST</td> <td>THREAD <u>2 3/8</u></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> BHCT</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MUD DENSITY</td> <td>LESS FOOTAGE SHOE JOINT(S) <u>1.10</u></td> <td></td> <td></td> <td></td> <td>TOTAL</td> </tr> <tr> <td>MUD VISC.</td> <td>Disp. Capacity <u>145</u></td> <td></td> <td></td> <td></td> <td><u>145</u></td> </tr> </table>		WELL DATA:		BOTTOM		TOP		BIT SIZE <u>7 7/8</u>	CSG/Liner Size <u>5 1/2</u>					TOTAL DEPTH <u>410</u>	WEIGHT <u>125</u>					<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE <u>341 1/2</u>					MUD TYPE <u>3-1</u>	GRADE					<input type="checkbox"/> BHST	THREAD <u>2 3/8</u>					<input type="checkbox"/> BHCT						MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) <u>1.10</u>				TOTAL	MUD VISC.	Disp. Capacity <u>145</u>				<u>145</u>
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AND <u>1250 De Long 410</u>																																																											
ADDRESS <u>Suite 710</u>																																																											
<u>SAN ANTONIO, TX</u>		ZIP CODE																																																									
SPECIAL INSTRUCTIONS <u>Reamer 5 1/2" 3 STAGE L.S.</u>																																																											
<u>Site</u>																																																											
IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO																																																											
LIFT PRESSURE <u>4017</u> PSI		CASING WEIGHT - SURFACE AREA <u>12.75 (13.18 x 91) = 367</u>																																																									
PRESSURE LIMIT <u>3022</u> PSI		BUMP PLUG TO <u>450</u> PSI																																																									
ROTATE } RPM RECIPROCATATE }		FT No. of Centralizers <u>12</u>																																																									
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TIME		PRESSURE		VOLUME PUMPED 98L		JOB SCHEDULED FOR TIME: 3:00 DATE: 3-7			ARRIVE ON LOCATION TIME: 0000 DATE: 3-7			LEFT LOCATION TIME: 1445 DATE: 3-7		
0001 to 2400		TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL					
									PRE-JOB SAFETY MEETING					
0001	-								Start Manual work					
0002	-								Start Hys pump					
0003	-								Start Load Slurry					
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0050	-								Start Load Slurry					
0051	-								Start Load Slurry					
0052	-								Start Load Slurry					
0053	-								Start Load Slurry					
0054	-													

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED	
				BBLs	DENSITY
1.	438	1.61	21.6 8 7/8" D-20, 0.47% D-112, 17.5-1, 1/4" 1/2" D-21	134	12.7
2.	363	1.15	21.6 3 7/8" KOK, 0.67% D-60, 0.27% D-136, 4 1/2" 1/2" D-27	74	15.8
3.	725	1.67	21.6 10 5/8" D-20, 0.47% D-112, 17.5-1, 1/4" 1/2" D-27	218	12.7
4.					
5.					
6.					

BREAKDOWN FLUID TYPE			VOLUME		DENSITY	PRESSURE	MAX.	MIN:
<input type="checkbox"/> HESITATION SQ.		<input type="checkbox"/> RUNNING SQ.		CIRCULATION LOST	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Cement Circulated To Surf. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
BREKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL.	157	77	Bbls	
Washed Thru Perfs	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	TO	FT	MEASURED DISPLACEMENT	<input checked="" type="checkbox"/> <input type="checkbox"/> WIRELINE			
PERFORATIONS				CUSTOMER REPRESENTATIVE		DS SUPERVISOR		
TO	TO	TO	TO	Mark - 7/14/40		[Signature]		

P/N 868

SUNDRY NOTICES AND REPORTS ON WELLS

AZ OIL & GAS
CONSERVATION COMMISSION

1. Name of Operator Chuska Energy Company
 2. OIL WELL ☐ GAS WELL ☒ OTHER ☐ (Specify) FEB 5 1990
 3. Well Name Black Rock #5
 Location 970' FSL, 880' FWL
 Sec. 16 Twp. 40S Rge. 29E County Apache Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease Navajo Tribal NOG. 8702-1116

5. Field or Pool Name Black Rock

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>		ABANDONMENT <input type="checkbox"/>
(OTHER) _____		(OTHER) Operations: Spud/Surface Csg <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Spudded 2300 hrs, 01-22-90. Drilled 12 1/4" hole. Oral notification D.S. Barnes to Steve Rauzi. Steve Rauzi witnessed this procedure.

1-22-90 to 1-24-90

Drilled 12 1/4" hole to 505'. Ran 493' 8-5/8" O.D., 24 #/ft, K-55, STC casing and landed at 505'. Cemented with 410 sx Class 'G' cement with 2% CaCl₂ and 1/4 #/sk Celloflake. Cement returns to surface. W.O.C.

Procedure witnessed by Steve Rauzi.

8. I hereby certify that the foregoing is true and correct.

Signed Donald S. Barnes
Donald S. Barnes

Title Operations Manager Date 01-24-90

Permit No. 868

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
Form No. 25
File One Copy

OBSERVATION REPORT OF S. L. RAUZI *SLR*
ON BLACK ROCK #5
970' FSL & 880' FWL SEC 16-40N-29E

CASING AND CEMENTING, 1-23-90, late evening; 1-24-90 early morning

Ran 8 5/8 inch casing to 505 feet.
Circulated 84 barrels of cement slurry (410 sacks).

BOPE, 1-24-90, mid-afternoon

Test casing, casing head, kill line, choke (manifold) line, manifold,
and BLIND RAMS at 700 PSI for 30 minutes and they held pressure.
Test PIPE RAMS and TIW at 850 PSI for 30 minutes and they held pressure.
Tested the KELLY COCK at 700 PSI and it held pressure.

WATER ANALYSIS REPORT

*Davis water analysis
fill*

TECH

DATE: 17 November 1989
TO: Chuska Energy Company
315 N. Behrend
Farmington, NM 87401
Attn: Tom McCarthy

PAGE:
LAB NO.:

TECH, Inc.
333 East Main
Farmington
New Mexico
87401
505/327-3311

Sample From Blackrock.....
Env. water.....

Date Sampled 11/10/89 Sampled
Time Sampled By.....

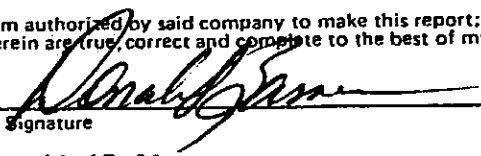
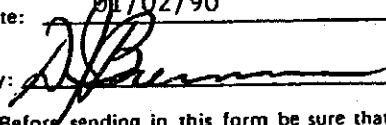
PARAMETER	mg/l	me/l	PARAMETER	mg/l	me/l
Acidity (CaCO ₃)			Arsenic		
Alkalinity (CaCO ₃)			Barium		
Bicarbonate			Boron		
Carbonate			Cadmium		
Hydroxide			Calcium		
Chloride			Chromium, Hex		
Chlorine, Free			Total		
Total			Iron, Dissolved		
Fluoride			Total		
Nitrogen, Total			Lead		
Nitrate (N)			Magnesium		
Ammonia (N)			Mercury		
Phosphate, Ortho			Potassium		
Total			Selenium		
Sulfur, Sulfate			Silver		
Sulfide			Sodium		
BOD ₅			Gross Alpha	21+/-14	
COD			Gross Beta	54+/-7	
Hardness (CaCO ₃)		gr.			
Oil & Grease					
Oxygen, Dissolved					
Phenols					
Solids, Total					
Dissolved					
Suspended					
Settleable		ml/l			
Conductivity		umhos/cm			
pH		units			
Turbidity		NTU			

Date Received 11/10/89 Preserved? Date Analyzed 11/13/89 Analyzed By CEP

REMARKS:

AS A MUTUAL PROTECTION TO CLIENTS, THE PUBLIC, AND OURSELVES, ALL REPORTS ARE SUBMITTED AS THE CONFIDENTIAL PROPERTY OF CLIENTS, AND AUTHORIZATION FOR PUBLICATION OF STATEMENTS, CONCLUSIONS OR EXTRACTS FROM OR REGARDING OUR REPORTS IS RESERVED PENDING OUR WRITTEN APPROVAL.

TECH, Inc.
by

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER AZ OIL & GAS CONSERVATION COMMISSION		
APPLICATION TO DRILL <input checked="" type="checkbox"/> x RE-ENTER OLD WELL <input type="checkbox"/>		
NAME OF COMPANY OR OPERATOR OCT 23 1989		
Chuska Energy Company Address 315 N. Behrend City Farmington State N.M.		
Drilling Contractor (To Be Determined) Address		
DESCRIPTION OF WELL AND LEASE		
Federal, State or Indian Lease Number, or if fee lease, name of lessor NOG 8702-1116	Well number Black Rock 5	Elevation (ground) 6660GR
Nearest distance from proposed location to property or lease line: <div style="text-align: right;">880 feet</div>	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: <div style="text-align: right;">2414 feet</div>	
Number of acres in lease: 50,000	Number of wells on lease, including this well, completed in or drilling to this reservoir: <div style="text-align: center;">4</div>	
If lease, purchased with one or more wells drilled, from whom purchased: <div style="text-align: center;">N/A</div>		
Well location (give footage from section lines) 970 FSL x 880FWL	Section—township—range or block and survey Sec. 16, T40N, R29E	Dedication (Comply with Rule 105)
Field and reservoir (if wildcat, so state) Black Rock Paradox	County Apache	
Distance in miles, and direction from nearest town or post office 7 miles west-southwest of Teec Nos Pos, Arizona		
Proposed depth: 6440'	Rotary or cable tools Rotary	Approx. date work will start 12-1-1989
Bond Status Pending Amount \$25,000	Organization Report On file Or attached	Filing Fee of \$25.00 Attached
Remarks: Primary zone is intended to be the Paradox Formation. If the Paradox appears to be productive, the well will TD @ 6110'. If the Paradox is not productive, the well will be deepened to 6440' for use as a SWD well.		
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>Operations Manager</u> of the <u>Chuska Energy Company</u> (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.		
 Signature		
10-17-89 Date		
Permit Number: 868 Approval Date: 01/02/90 Approved By:  Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Application to Drill or Re-enter File Two Copies Form No. 3	

- | | |
|-------|------------------|
| Owner | Land Description |
| | |
-
- CERTIFICATION**

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Name *Donald B. Risen*

Position Operations Manager

Company Chuska Energy Company

Date _____

I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed 8-17-89

Registered Professional Engineer and/or Land Surveyor

Edgar L. Risenhoover
Certificate No. _____

PROPOSED CASING PROGRAM							
Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement	Type
8 5/8	24#	K55 STC	0	500	500 to Surface	360 Sks	Class 'G'
5 1/2	15.5#	K55 STC	0	6440	6440 to 500'	871 sks.	Class 'G'

STATE OF ARIZONA
OIL AND GAS CONSERVATION COMMISSION

PERMIT NO. 868

REPORT ON PROPOSED OPERATIONS

Chuska Energy Company
315 N. Behrend
Farmington, NM 87401

Phoenix, Arizona
January 2, 1990

Your proposal to drill well Black Rock No. 5 A.P.I. No. 02-001-20287
Section 16, T. 40N., R. 29E., G&SR B. & M., Black Rock field, Apache County,
dated 10/17/89 received 10/23/89 has been examined in conjunction with records filed
in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. THIS WELL SHALL NOT BE USED FOR SALT WATER DISPOSAL UNLESS AUTHORIZED BY THE COMMISSION AFTER NOTICE AND HEARING PURSUANT TO RULE 12-7-176.
2. Mud pits are constructed and lined in a manner that will prevent contamination of surface or subsurface waters.
3. Drilling mud consistent with sound drilling practices shall be used at all times and sufficient amounts of lost circulation material shall be available at the drill site.
4. The well shall be cased and cemented in such a manner that will protect all zones that contain oil, gas, or fresh water.
5. Blowout prevention equipment shall be installed, tested, and maintained in a manner necessary to assure well control throughout the drilling, completion, or abandonment of the well.
6. An H₂S safety company shall be on location from 4000' to T.D.
7. Sundry reports shall be filed as required.
8. Two sets of samples of all cores and cuttings shall be taken at a maximum interval of ten feet. One set each shall be shipped prepaid to:
 - a. Oil & Gas Commission, 5150 N. 16th St., Ste. B141, Phoenix, AZ 85016.
 - b. Arizona Geological Survey, 845 N. Park Ave., Tucson, AZ 85719.
9. Samples and all logs and surveys of any description shall be filed within 30 days after the removal of the rig from the hole.
10. Application to Plug and Abandon (Form 9) shall be submitted to the Commission for approval prior to the beginning of operations to plug the well.
11. THIS COMMISSION SHALL BE NOTIFIED:
 - a. Immediately when drilling operations commence.
 - b. In time to witness the running and cementing of the surface casing.
 - c. In time to witness pressure testing of BOPE prior to drilling out of the surface casing.
 - d. In time to witness plugging and abandonment operations.

To witness operations, call 602-255-5161.

After office hours notify: Steve Rauzi, 602-864-9148 or Dan Brennan, 602-971-2909.

C.D. # 2578904, Valley National Bank

By D. J. Brennan
D. J. Brennan, Executive Director

A COPY OF THIS REPORT AND THE PROPOSAL MUST BE POSTED AT THE DRILLER'S STATION PRIOR TO COMMENCING OPERATIONS.

RECORDS FOR WORK DONE UNDER THIS PERMIT ARE DUE WITHIN 30 DAYS AFTER THE WORK HAS BEEN COMPLETED OR THE OPERATIONS HAVE BEEN SUSPENDED.



PERMIT TO DRILL

This constitutes the permission and authority from the
OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: OHUSKA ENERGY COMPANY
(OPERATOR)

to drill a well to be known as

Black Rock #5
(WELL NAME)

located 970 FSL x 380 FWL

Section 16 Township 40N. Range 29E., Apache County, Arizona.

The SW 1/4 of said
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 2 day of January, 1990.

OIL AND GAS CONSERVATION COMMISSION

By [Signature]
EXECUTIVE DIRECTOR

PERMIT 00868

RECEIPT NO. 2802

A.P.I. NO. 02-001-10257

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

CHUSKA ENERGY COMPANY

10 POINT DRILLING PLAN

BLACK ROCK 1-16-40N29E WELL NO. 5
SECTION 16, TOWNSHIP 40N, RANGE 29E
970' FSL, 880' FWL
APACHE COUNTY, ARIZONA

1. SURFACE FORMATION

The geological name of the surface formation is the Morrison.

2. ELEVATION

The surface elevation is 6660' GR / 6672' KB.

3. ESTIMATED FORMATION TOPS

<u>Depth</u>	<u>Formation</u>	<u>Sub Sea Elevation</u>
KB		
1955'	Chinle	+ 6672'
2965'	De Chelle	+ 4717'
3333'	Organ Rock	+ 3707' Water
3975'	Cutler	+ 3339'
4690'	Hermosa	+ 2697'
5290'	Ismay	+ 1982' Gas
5350'	Lower Ismay	+ 1382' Gas
5436'	Desert Creek	+ 1322' Gas
5584'	Akah	+ 1236' Gas
5736'	Barker Creek	+ 1088' Gas/Water
5864'	Pinkerton Trail	+ 936' Gas
6070'	Molas	+ 808' Gas
6134'	Mississippi	+ 602'
6289'	Mississippi Dolomite	+ 538'
6398'	Ouray	+ 383'
6440'	Total Depth	+ 274'
		+ 232'

NOTE: Well will T.D. at 6110'. If Paradox appears unproductive the well will be deepened to 6440' for use as a SWD well in the Mississippi Dolomite.

CHUSKA ENERGY COMPANY

10 POINT DRILLING PLAN

BLACK ROCK 1-16-40N29E WELL NO. 5
SECTION 16, TOWNSHIP 40N, RANGE 29E
970' FSL, 880' FWL
APACHE COUNTY, ARIZONA

1. SURFACE FORMATION

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<u>Depth</u>	<u>Formation</u>	<u>Sub Sea Elevation</u>
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5350'	Lower Ismay	+ 1322' Gas
5436'	Desert Creek	+ 1236' Gas
5584'	Akah	+ 1088' Gas/Water
5736'	Barker Creek	+ 936' Gas
5864'	Pinkerton Trail	+ 808' Gas
6070'	Molas	+ 602'
6134'	Mississippi	+ 538'
6289'	Mississippi Dolomite	+ 383'
6398'	Ouray	+ 274'
6440'	Total Depth	+ 232'

NOTE: Well will T.D. at 6110'. If Paradox appears unproductive the well will be deepened to 6440' for use as a SWD well in the Mississippi Dolomite.

4. PROPOSED CASING/CEMENTING PROGRAM

	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Coupling</u>
Surface:	8 5/8"	24 lb/ft	K-55	STC
Production:	5 1/2"	15.5 lb/ft	K-55	STC

Surface Cementing:

360 sx Class G cement with 2% CaCl₂ & 1/4#/sx Celloflake.
Weight 15.8 ppg., yield 1.15 ft³/sx.

Production Cementing:

DV Tool at 3200'

First Stage

T.D. to 3200'. Lead with 113 sx. 35:65 POZ cement with 6% Gel, .5% D-127 Flac, 1% CaCl₂, 1/4#/sx Celloflake. Tail with 466 sx Class G 3% KCL, .6% D-60 Flac, 1/4#/sx Celloflake.

Second Stage

3200' to surface casing shoe. 304 sx 35:65 POZ cement with 6% Gel, .5% D-127 Flac, 1% CaCl₂, 1/4#/sx Celloflake.

SWD Cementing:

DV Tool at 3800'

First Stage

TD to 3800'. Lead with 282 sx 35:65 POZ cement with 6% Gel, .5% D-127 Flac, 1% CaCl₂, 1/4#/sx. Celloflake. Tail with 160 sx Class G, 3% KCL, .6% D-60 Flac, 1/4#/sx Celloflake.

Second Stage

3800' to Surface Casing Shoe. 429 sx 35:65 POZ cement with 6% Gel, .5% D-127 Flac, 1% CaCl₂, 1/4#/sx Celloflake.

All cement volumes will be recalculated after examination of caliper log.

5. BLOWOUT PREVENTER (See attached schematics)

As no abnormal pressures are anticipated, a 2000 psi BOP system would be sufficient for the drilling of this well. However, due to availability constraints, a 3000 psi system will be used, as per the attached Exhibits "A" and "B". This will be a 10" x 900 Series double ram preventer, equipped with a set of pipe and blind rams.

An accumulator system, with a pressure capacity sufficient to operate the rams three complete cycles without rig power, will be required by the contractor.

6. PROPOSED MUD PROGRAM

Surface to 3500'

Native solids, weight 8.3-8.7 ppg, with gel sweeps as necessary to clean hole.

3500' to Total Depth

Low solids non dispersed system with Polymer, 8-6-8.8 ppg, fluid loss 15 CC's or less. Fluid loss will be 10 CC's or less across Paradox Zone.

7. AUXILIARY EQUIPMENT

- A. A kelly cock will be utilized while drilling this well, with handle available on the rig floor.
- B. Floor (stabbing) valves will be available, on the rig floor at all times, with necessary subs to fit all of the drilling assemblies.
- C. Mud will be used to drill this well. No abnormal pressures are expected. A mud logging unit will be utilized while drilling this hole.

8. WELL EVALUATION

Open hole electric logging program will consist of a minimum dual lateral log, SP, gamma ray, caliper, FDC-CNL Lithodensity from TD to 4000'.

Drill stem testing will be as per well site geologist's recommendations, based on shows. A mud logging unit will be utilized during drilling.

9. ABNORMAL PRESSURES/GAS

No abnormal pressures are anticipated. Monitoring of gas and hydrocarbon shows will be by wellsite mud logging unit. A H₂S safety company will be on location from 4000' to T.D.

10. TIMING

The drilling and evaluation of this well will take 18 days. Anticipated spud date is 1-1-90.

DETAILED DRILLING PROGRAM

BLACK ROCK NO. 5

DATE: October 6, 1989

WELL NAME: Black Rock 1-16-40N29E WELL NO: 5

LOCATION: 970' FSL, 880' FWL
Section 16, Township 40N, Range 29E
Apache County, Arizona

ELEVATION: 6660' GR / 6672' KB

TOTAL DEPTH: 6110' If Paradox is productive; 6440' if a SWD well.

PROJECTED HORIZON: Molas Shale at 6110'; Ouray at 6440'

DRILLING, CASING AND CEMENTING PROGRAM

1. Move in rotary tools and notify BLM of intent and time of spud.
2. Rig up rotary tools. Drill mouse hole and rat hole. Mix mud prior to spudding well.
3. Drill 12 1/4" hole to 500 +/- . Use cellar jet to remove mud and cuttings from hole. Surveys will be taken on wire line to ensure deviation control. Use fresh water gel/chemical mud for drilling surface hole. Run 8 5/8" surface casing to T.D. Displace casing with mud prior to cementing. Reciprocate casing prior to cementing.
4. Cement with sufficient volume to circulate cement to surface, as per surface cementing program detailed in 10-point drilling plan.
5. W.O.C. a minimum of 4 hours prior to nipping up BOP stack and related equipment. See BOP schematics for details. Minimum total W.O.C. time is 12 hours.
6. Pressure testing of BOP and casing will be to 600 psig for 30 minutes. Pressure test manifold and all related equipment prior to drilling shoe joint.
7. Reduce hole to 7 7/8". Drill to T.D. at about 6110'.

8. Open hole logs will be run and evaluated. Drill stem testing will be as per wellsite geologist's recommendation. If well is commercial, 5 1/2" casing will be run to T.D.
9. If well is not commercial, drilling will continue to a T.D. at about 6440'. Open hole logs will be run and evaluated over zones from TD up to about 6110' to determine if use of the well for SWD is possible.
10. Cement will be in two stages. Cement as per production or SWD cementing program in 10-point drilling plan. W.O.C. and circulate between stages 4 hours.
11. Remove BOP, set slips, cut off casing, install well head and release drilling rig.
12. If well is non-productive it will be plugged and abandoned as per State, BLM and Navajo Tribal stipulations.

BLACK ROCK FIELD

Operator: RIM Southwest Corporation

Bond Company*: Indian lands, evidence of bond posted with BIA

RLI Insurance Co. \$150,000 BIA Nationwide Bond No. RLB0003993

Date of Bond: 11/26/01

Date approved: _____

* Pursuant to Commission motion of October 31, 1997, no bond required with State of Arizona upon evidence of bond posted with the BIA.

Permits covered by this bond posted with the BIA:

Dry Mesa Field	<u>077</u>
	<u>106</u>
	<u>115</u>
	<u>852</u>
	<u>907</u>

Black Rock Field	<u>559</u>
	<u>581</u>
	<u>868</u> ✓
	<u>871</u>
	<u>875</u>
	<u>882</u>



Jane Dee Hull
Governor

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500



Larry D. Fellows
Director and State Geologist

February 13, 2001

CERTIFIED MAIL

Mr. Robert L. Vesco
Vice-President
RIM Southwest Corporation
5 Inverness Drive East
Denver CO 80112

Re: Release of State-wide Performance Bond CD #2578904

Dear Mr. Vesco:

This will acknowledge evidence of RIM Southwest Corporation's bonding with the U.S. Department of the Interior, Bureau of Indian Affairs. As a result, the referenced certificate of deposit and executed release form are enclosed.

Sincerely,

Steven L. Rauzi
Oil & Gas Administrator

Enclosures

SECURITIES SAFEKEEPING

1700 WEST WASHINGTON ST. - PHOENIX, ARIZONA 85007

DATE: 02/05/01

STATE AGENCY NO. _____

STATE AGENCY ARIZONA GEOLOGICAL SURVEY/OIL&GAS COMM.

State Treasurer's Use Only

COMPANY CHUSKA ENERGY CO. / Hargen Southwest Corp
1850 MT DIABLO BLVD STE 640
WALNUT CA 94500

DOMESTIC FOREIGN

DEPOSIT

C.D. NO.:

BANK:

MATURITY DATE:

INTEREST RATE:

%

AMOUNT \$

C.D. ASSIGNMENT MUST BE ATTACHED UNLESS C.D. IS PAYABLE TO STATE TREASURER

RELEASE

C.D. NO.: 2578904 ✓

ACCT NO.: 8272-4968 ✓

BANK: VALLEY NATIONAL BANK OF ARIZONA ✓

MATURITY DATE: 05/30/90 ✓

INTEREST RATE: 7.30 % ✓

AMOUNT \$ 25,000.00 ✓

STATE TREASURER VALIDATION NO. _____

RECEIVED THE ABOVE RELEASE

STATE AGENCY AUTHORIZATION

BY Larry D. Nelson 05 Feb 01
 Authorized Signature Date

BY Larry D. Nelson 05 Feb 01
 Authorized Signature

ARIZONA GEOLOGICAL SURVEY
 Bank or Firm

BY Kathleen M. Martin
 Authorized Signature

FOR BANK USE ONLY

BANK AUTHORIZATION

Checked by

Verified by

BY _____
 Authorized Signature

STATE'S DEPOSITORY BANK



Jane Dee Hull
Governor

State of Arizona
Arizona Geological Survey

416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500



Larry D. Fellows
Director and State Geologist

February 5, 2001

Ms. Debby Harrington
RIM Southwest Corporation
5 Inverness Drive East
Denver CO 80112

Dear Ms. Harrington:

This will acknowledge receipt of documentation of name change,
Organization Report (Form 1) and updated Operator's Certificate of Compliance and
Authorization to Transport Oil or Gas from Lease (Form 8).

I have enclosed approved duplicate originals of Form 8 for your files.

Sincerely,

A handwritten signature in cursive script, reading "Steven L. Rauzi".

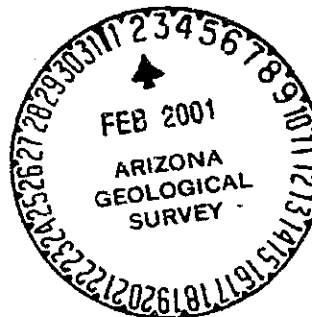
Steven L. Rauzi
Oil & Gas Administrator

Enclosures

RIM SOUTHWEST CORPORATION
5 INVERNESS DRIVE EAST
ENGLEWOOD, COLORADO 80112
303-799-9828

January 30, 2001

Mr. Steven Rauzi
Oil & Gas Program Administrator
Arizona Geological Survey
416 W. Congress, #100
Tucson, AZ. 85701



Re: RIM Southwest Corporation


Dear Mr. Rauzi,

As you requested, please find an Organization Report and documentation evidencing the name change from Harken Southwest Corporation for RIM Southwest Corporation.

Also enclosed is Form 8, in duplicate, for NOG 8707-1139, NOG 8707-1140 and NOG 8707-1142.

Please call me at (303) 799-9828, extension 305, if you have any questions or need anything further. Thank you for your assistance.

Very truly yours,


Debby Harrington
Senior Landman

The RIM Companies
5 Inverness Drive East
Englewood, Colorado 80112
303-799-9828
Fax 303-799-4259
E-Mail: rvesco@rimop.com



Oil & Gas
Acquisitions & Management
Rocky Mountains / Texas

January 25, 2001

Mr. Steven Rauzi (520) 770-3500
Oil & Gas Program Administrator Fax (520) 770-3505
Arizona Geological Survey
416 W. Congress, #100
Tucson, AZ. 85701

RE: Bonding for RIM Southwest Corporation

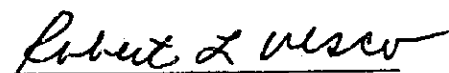
Dear Mr. Rauzi:

Enclosed please a copy of the approval letter dated May 18, 2000, from the United States Department of the Interior, Bureau of Indian Affairs for RIM's \$150,000 nationwide bond.

Additionally, RIM Southwest Corporation, (formerly known as Harken Southwest Corporation) has a \$25,000 certificate of deposit, certificate # 2578904, with the State of Arizona, maturing April 2, 2001. Please take the necessary action to release this certificate of deposit.

If you need any further information regarding the above referenced information, please contact me at extension 206. Thank you for your help.

Sincerely yours,


Robert L. Vesco, Vice-President
Secretary/Treasurer

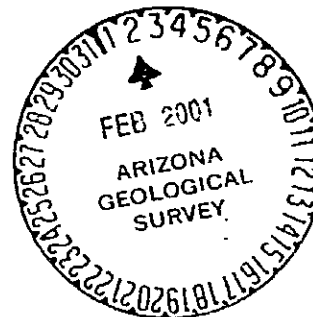
The RIM Companies
5 Inverness Drive East
Englewood, Colorado 80112
303-799-9828
Fax 303-799-4259
E-Mail: rvesco@rimop.com



Oil & Gas
Acquisitions & Management
Rocky Mountains / Texas

January 25, 2001

Mr. Steven Rauzi
Oil & Gas Program Administrator
Arizona Geological Survey
416 W. Congress, #100
Tucson, AZ. 85701



RE: Name Change of Harken Southwest Corporation

Dear Mr. Rauzi:

Enclosed please find the State of New Mexico filed copy of "Articles of Amendment to the Articles of Incorporation" changing "Harken Southwest Corporation's" name to "RIM Southwest Corporation" ("RIM"). The corporation's federal tax identification number has not changed (85-0284260). RIM's address is 5 Inverness Drive East, Englewood, Colorado 80112.

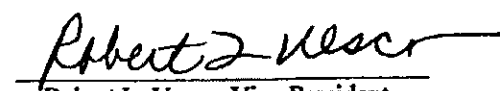
Additionally, the officers of RIM Southwest Corporation are as follows:

President	Stephen W. Rector
Vice President	Rene' Morin
Vice President	William J. Holcomb
VP, Secretary/Treasurer	Robert L. Vesco

Additionally, enclosed is a copy of RIM Operating, Inc. and RIM Offshore, Inc.'s "United States Department of the Interior, Bureau of Indian Affairs, Nationwide Oil and Gas Bond Number RLB0001937" in the amount of \$150,000, along with Bond Rider to Assume Liability Number 1 and RLI Insurance Company's Power of Attorney. With your concurrence, RIM would like to add RIM Southwest Corporation as an additional principal to this bond. Please coordinate with us regarding this matter.

If you need any further information regarding the above referenced information, please contact me at extension 206.

Sincerely yours,


Robert L. Vesco, Vice-President
Secretary/Treasurer

Operator CHUSKA ENERGY COMPANY (Hakken Southwest Corp.)

Bond Company VALLEY NATIONAL BANK - ARIZONA Amount \$25,000

Bond No. C.D. #2578904 Date Approved 12/01/89

Permits covered by this bond:

DATE

559

581

610 (P & A 11-24-95)

615 (P & A 5/10/91)

868

869 expired

870 (J & A 5/90)

871

872 expired

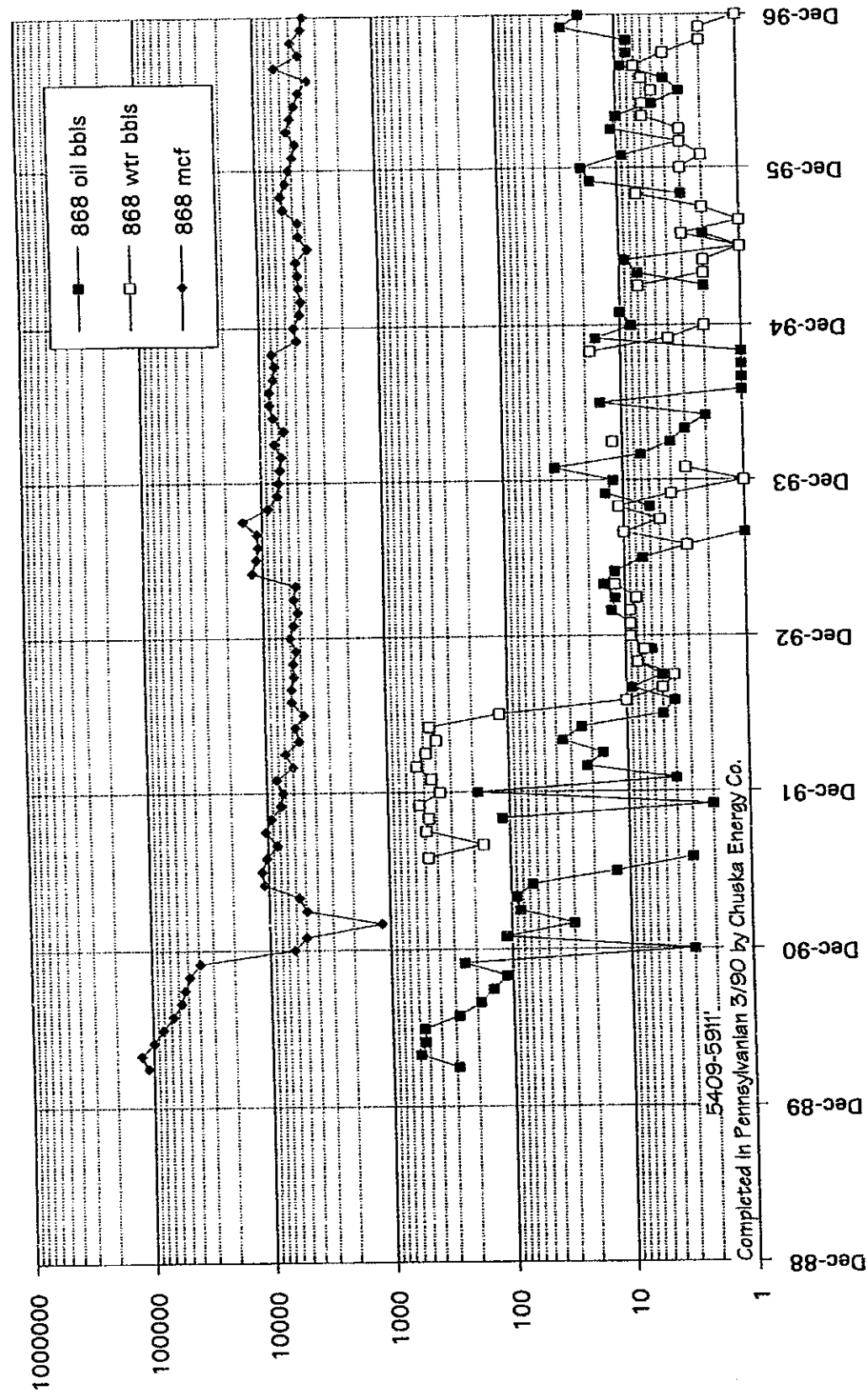
873 (P & A 8/4/93)

874 expired

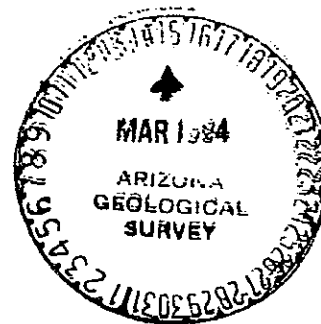
875

DATE 881

MONTHLY PRODUCTION AT 5 BLACK ROCK (868), ARIZONA: MAR 1990 - DEC 1996
sw sw 16-40n-29e, Black Rock Field, Apache County



HARKEN
ENERGY
CORPORATION



March 11, 1994

State of Arizona
Oil & Gas Conservation Commission
845 N. Park Avenue, Suite 100
Tucson, AZ 85719

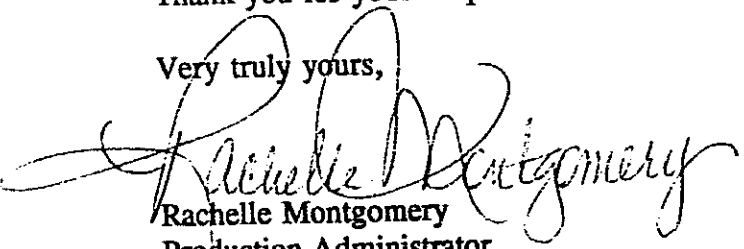
Re: NOG 8702-1139
NOG 8702-1140
NOG 8702-1142
Black Rock Well No.'s 1, 3, 5, 8 and 12

Gentlemen:

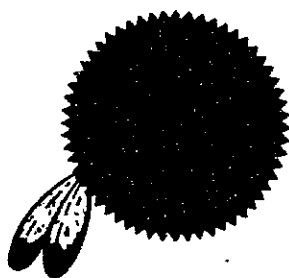
Please be advised that Harken Southwest Corporation no longer has a Farmington, New Mexico office. Therefore, please direct all future correspondence, regarding regulatory issues, to the undersigned at the letterhead address.

Thank you for your cooperation.

Very truly yours,


Rachelle Montgomery
Production Administrator

RM/jkw



HARKEN SOUTHWEST CORPORATION

(formerly Chuska Energy Company)

March 2, 1994



Mr. Steven Rauzi
Oil & Gas Program Administrator
Arizona Geological Survey
845 Northpark Ave., Suite 100
Tucson, Arizona 85719

Re: Chuska Energy Company-Arizona Statewide Bond for Drilling of Wells

Dear Mr. Rauzi:

Please be advised that with regard to the above referenced bond we are herewith enclosing documentation relating to a name change. Chuska Energy Company has now changed its name to Harken Southwest Corporation. Copies of the official documentation relating to this change of name are enclosed. We would appreciate the Arizona Geological Survey changing their records to style the above referenced bond as follows:

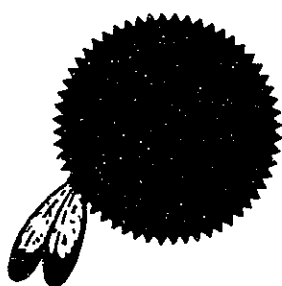
Harken Southwest Corporation, formerly Chuska Energy Company

Sincerely

HARKEN SOUTHWEST CORPORATION

Dale Brooks
Treasurer

DB:le
Enclosures
cc:Bruce N. Huff



HARKEN SOUTHWEST CORPORATION

(formerly Chuska Energy Company)

January 28, 1994

We are pleased to announce that Chuska Energy Company has changed its name to Harken Southwest Corporation. This is in line with the February, 1993 merger with Harken Exploration Company.

Harken Southwest Corporation will continue to be located at 3315 Bloomfield Highway, Farmington, New Mexico 87401. Our telephone number will remain (505) 326-5525.

Please reflect this name change on all future correspondence.

Thank you for your assistance in this matter. We look forward to working with you as Harken Southwest Corporation.

Sincerely,

BARRY A. WIELAND
Operations Manager



AUG 17 '93 08:51 CHUSKA FARMINGTON NM

P.1



CHUSKA ENERGY COMPANY

3315 BLOOMFIELD HIGHWAY • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

FAX COVER LETTER

Date: August 17, 1993

Telephone # (505) 326-5525

From: Barry A. Wieland

Facsimile # (505) 325-5423

To: Steve Rauzi

Transmitted from: Ricoh Fax 35

Number of Pages (including this page) 4

Please advise at the above telephone number if any problems are encountered.

Message/Instructions:

Steve,

Enclosed please find a Halliburton District Laboratory Water Analysis Data Sheet on Chuska Energy Company's Black Rock #3, #5, and #8 water production. Said samples were collected from the separator dump, due to low water production from the three referenced wells.

If you should have any further questions, please don't hesitate to let me know. I look forward to meeting you on Friday.

Sincerely,

Barry A. Wieland
Operations Manager

Encl:



Fife Symington
Governor

State of Arizona
Arizona Geological Survey
845 North Park Avenue, #100
Tucson, Arizona 85719
(602) 882-4795

Larry D. Fellows
Director and State Geologist

February 3, 1992

868

Mr. Bob Hand
Dry Mesa Corporation
7255 Corporate #907
Houston, Texas 77036

Dear Bob:

Enclosed is the information you requested this morning, the completion reports for the Black Rock wells number 5 and 8.

Don't hesitate to let me know if I can provide additional information.

Sincerely,

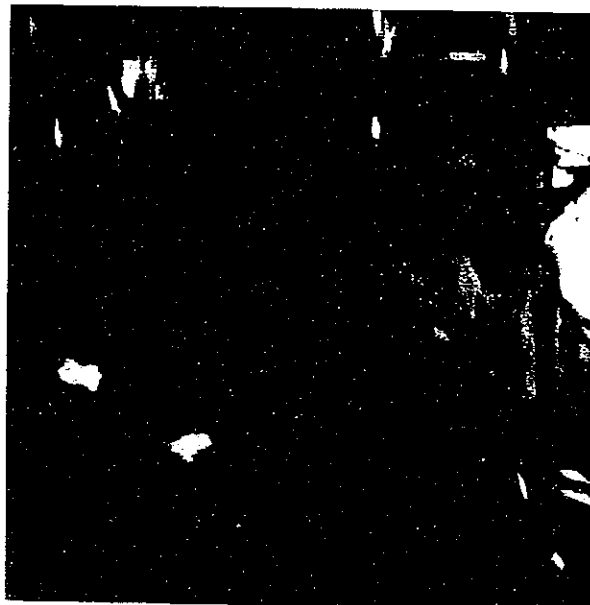
Steve

Steven L. Rauzi
Oil & Gas Program Administrator

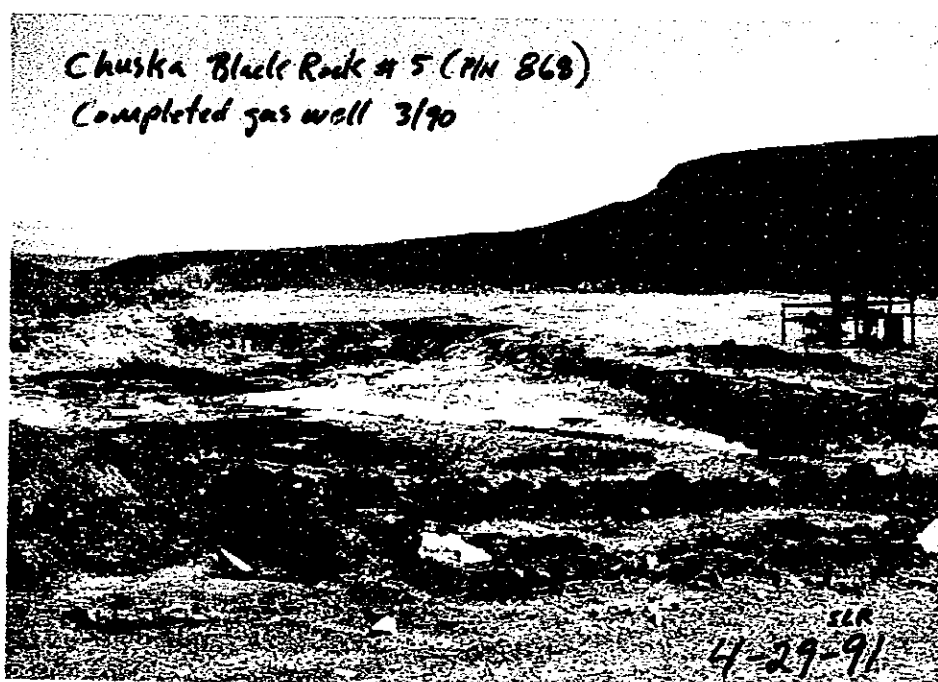
Enclosures



Chuska Black Rock #5 well
1-24-90 (note icicles)



Chuska Black Rock #5 well
1-24-90 (note icicles)



Chuska Black Rock #5 (PIN 868)
Completed gas well 3/90

4-29-91



CHUSKA ENERGY COMPANY

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

February 28, 1990

State of Arizona
Attn: Mr. Dan Brennan
Oil & Gas Conservation Commission
5150 N. 16th Street
Suite B141
Phoenix, Arizona 85016

Re: Black Rock No. 5 &
Black Rock No. 8

Dear Sir:

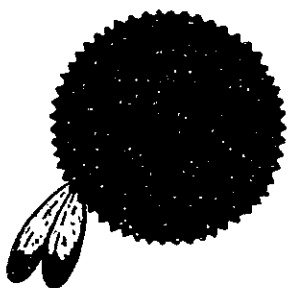
Enclosed are Open Hole Logs on the subject wells. We ask that you treat these as Tight Holes.

If you have any questions please feel free to call.

Sincerely,

Thomas R. McCarthy,
Senior Reservoir Engineer

TRM/brc
enclosures
file:trm\1BR5&81g.41



CHUSKA ENERGY COMPANY

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

AZ OIL & GAS
CONSERVATION COMMISSION

MAR 8 1990

March 5, 1990

Arizona Oil & Gas Commission
5110 North 16th Street Suite B141
Phoenix, Arizona 85016

Ref: Black Rock #5: Completion Report
Sundry Notice: First Sale of Gas

Gentlemen

attached for your examination and approval are the originals and two copies of the subject Report and Sundry Notice.

Please advise if you require additional information concerning these applications.

Sincerely,

Donald S. Barnes
Operations Manager

DSB/csw
File: C:\WP\CSWH\BLAKROCK\BLAKROK5\16ASCOMP.CVR



CHUSKA ENERGY COMPANY

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

AZ OIL & GAS
CONSERVATION COMMISSION

FEB 16 1990

February 14, 1990

Arizona Oil & Gas Commission
5110 North 16th Street Suite B141
Phoenix, Arizona 85016

Ref: Sundry Notice: Black Rock #5 Production Casing

Gentlemen

attached for your examination and approval is the original and two copies of the subject Sundry Notice.

Please advise if you require additional information concerning this application.

Sincerely,

Donald S. Barnes
Operations Manager

DSB/csw
File: C:\WP\CSWH\BLAKROCK\BR5PCSG.CVR



CHUSKA ENERGY COMPANY

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

AZ OIL & GAS
CONSERVATION COMMISSION

DEC 21 1989

December 18, 1989

Mr. Daniel J. Brennan
Arizona Oil and Gas Conservation Commission
5150 North 16th Street, Suite B141
Phoenix, Arizona 85016

RE: Black Rock Nos. 5, 6, 7, 8, 9, 10, and 11
Drilling Permit Applications

Dear Dan:

Pursuant to our conversation on December 15th, I am enclosing a check for \$175.00 for the Applications to Drill the subject wells.

Please advise me if there is additional information or requirements for the approval of the subject APD's.

Sincerely,

Thomas R. McCarthy
Reservoir Engineer

TRM:bnp
Enclosure
File:TRM\DRPERBR



Oil and Gas Conservation Commission

STATE OF ARIZONA

5150 N. 16th STREET, SUITE B-141
PHOENIX, ARIZONA 85016
PHONE: (602) 255-5161

January 2, 1990

Mr. Thomas R. McCarthy
Chuska Energy Company
315 N. Behrend
Farmington, NM 87401

RE: Black Rock No. 5, State Permit No. 868
Black Rock No. 6, State Permit No. 869
Black Rock No. 7, State Permit No. 870
Black Rock No. 8, State Permit No. 871

Dear Tom:

Enclosed are the filing fee receipt, the approved Application for Permit to Drill, Permit to Drill, and Report on Proposed Operations for each of the referenced wells. Please note that we have not approved these wells for use as salt water disposal wells.

Upon successful completion of any of these wells, please send in a completed copy of the enclosed Form 4 for our records. I am also enclosing copies of other forms you will need when you have a successful gas well completion (Forms 3, 7, 8, 11, 12, 13, 14, 18, 20).

Sincerely,

Steven L. Rauzi

Steven L. Rauzi
Oil & Gas Specialist

Enclosures

ASSIGNMENT TO ARIZONA STATE TREASURER
SECURITY IN LIEU OF CASH DEPOSIT FOR COMPLIANCE WITH
SECTION 35-155 ARIZONA REVISED STATUTES

AZ OIL & GAS
CONSERVATION COMMISSION

DEC 11 1989

Chuska Energy Company
NAME 1250 N.E. Loop 410 Suite 710 San Antonio CITY
STREET ADDRESS Bexar Texas 512-821-6194
COUNTY STATE TELEPHONE NUMBER

hereinafter referred to as ASSIGNOR, does hereby assign and transfer to the Treasurer of the State of Arizona, hereinafter referred to as the TREASURER, all right, title and interest of any kind whatsoever, owned or held by Assignor in the principal, but not in the interest hereinafter accruing after the date of this assignment in the insured account of ASSIGNOR so long as such funds remain on deposit in the

Valley National Bank of Arizona - Valley Center Office
FINANCIAL INSTITUTION

whose address is 241 N. Central Phoenix Mariposa
STREET ADDRESS CITY COUNTY

Arizona, as evidenced by an account in the amount of Twenty-Five Thousand dollars (\$ 25,000) identified by account number 8272-4968 which account is insured by the Federal Deposit Insurance Corporation or the Federal Savings and Loan Insurance Corporation. This assignment is given as security for compliance with ARS 27-501 to 539 and with the Rules of the Oil and Gas Conservation Commission.

Dated this 30th day of November, 1989, at San Antonio Texas, Arizona.

IMPORTANT - SIGNATURE OF ASSIGNOR

This Assignment shall be signed by the Individual Himself

Chuska Energy Company
NAME OF ASSIGNOR EXACTLY AS SHOWN ABOVE
BY: Daniel P. McLean Executive Vice President
SIGNATURE OF ASSIGNOR

FIRST ENDORSEMENT - RECEIPT FOR NOTICE OF ASSIGNMENT

Receipt is hereby acknowledged to the Treasurer of the State of Arizona, hereinafter referred to as the TREASURER, of written notice of the assignment to said Treasurer of the above-identified account. We have noted our records to show the interest of the Treasurer in said account as shown in and by the assignment above. We have retained a copy of this document. We hereby certify that we have not received any notice of lien, encumbrance, hold, claim or other obligation against the above-identified account prior to its assignment to the Treasurer. We further hereby waive any current and future right of set-off against such account. We agree to make payment as required by the Rules and Regulations of the Treasurer adopted in accordance with applicable laws and the law applicable to this institution.

Dated this 14th day of December, 1989, at Phoenix, Arizona

Valley National Bank of Arizona
NAME OF FINANCIAL INSTITUTION
BY: [Signature] TITLE
SIGNATURE OF OFFICER OF FINANCIAL INSTITUTION

Subscribed and sworn before me this 14th day of December, 1989

NOTARY PUBLIC SIGNATURE
My Commission Expires Sept. 30, 1993
COMMISSION EXPIRES

SECOND ENDORSEMENT - RECEIPT FOR SECURITY AND DIRECTION TO PAY EARNINGS

Receipt is acknowledged of the assignment above and the account identified in the assignment above. The financial institution named in the assignment above is hereby authorized and directed to pay any earnings credited after the date of this assignment on the above-identified account of the above-named assignor.

Dated this 14th day of DECEMBER, 1989, at PHOENIX

ARIZONA STATE TREASURER
Treasurer or Authorized Representative
By: Brian R. Okeasa
(Prepare in duplicate. Please Type all Information)

Attach Original Assignment to Certificates of Deposit and File with State.

SECURITIES SAFEKEEPING
1700 WEST WASHINGTON ST. - PHOENIX, ARIZONA 85007

DATE: 12/14/89

STATE AGENCY NO. _____

STATE AGENCY AZ OIL & GAS CONSERVATION COMM.

State Treasurer's Use Only

COMPANY CHUSKA ENERGY CO.

1850 Mt Diablo Blvd, Ste 640

Walnut, CA 94500

DOMESTIC

FOREIGN

DEPOSIT

C.D. NO.: 2578904

ACCT NO.: 8272-4968

BANK: Valley National Bank of Arizona

MATURITY DATE: 05/30/90

INTEREST RATE: 7.30%

AMOUNT \$25,000.00

C.D. ASSIGNMENT MUST BE ATTACHED UNLESS C.D. IS PAYABLE TO STATE TREASURER

C.D. NO.:

BANK:

MATURITY DATE:

INTEREST RATE: %

AMOUNT \$

STATE TREASURER VALIDATION NO. _____

RECEIVED THE ABOVE RELEASE

STATE AGENCY AUTHORIZATION

BY

Authorized Signature

Date

BY

Authorized Signature

STATE TREASURER AUTHORIZATION

BY

Authorized Signature

FOR BANK USE ONLY

BANK AUTHORIZATION

BY

Authorized Signature

Checked by

Verified by

STATE'S DEPOSITORY BANK

RECEIVED
STATE TREASURER
DEC 14 1989 1:30 PM '89

CANCELLED
RELEASE
DATE



Valley National Bank of Arizona

BRANCH Valley Center

Certificate of Deposit
NON TRANSFERABLE

2578904

12-1-89

BRANCH NO. DATE

THIS CERTIFIES THAT THERE HAS BEEN DEPOSITED IN THIS BANK

Valley National Bank 25,000 dollars 00 cts

PAY TO

Arizona State Treasurer

ACCOUNT NO.

8272-4968

\$ 25,000.00

(UPON
SURRENDER
OF THIS
CERTIFICATE
PROPERLY
ENDORSED)

For Chuska Energy Co
1850 Mt Diablo Blvd Ste 640
Walnut CA 94500

THIS CERTIFICATE MATURES IN 180 Days FROM ISSUE DATE ON

May 30, 19 90 INTEREST IS TO BE PAID Monthly

AT THE RATE OF 7.3 PER ANNUM ON A 365 DAY YEAR BASIS.

FIRST INTEREST PAYMENT/DUE 12-30-89

SINGLE MATURITY - INTEREST CEASES AT MATURITY

2 AUTOMATICALLY RENEWABLE - THIS CERTIFICATE WILL AUTOMATICALLY RENEW EVERY

UNLESS REDEEMED WITHIN 10 CALENDAR DAYS (ONE BUSINESS DAY FOR MATURITIES OF

31 DAYS OR LESS) AFTER ANY MATURITY. THE BANK RETAINS THE RIGHT TO REDEEM THIS

CERTIFICATE OR CHANGE THE INTEREST RATE AS OF ANY MATURITY.

DATE *Theresa L. ...* AUTHORIZED SIGNATURE *Lynda Gray*

**OPERATOR'S CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL OR GAS FROM LEASE**

Federal, State or Indian Lease Number, or lessor's name if fee lease NOG 8707-1140	Field Black Rock	Reservoir Paradox
Survey or Sec-Twp-Rge Section 16-40N-29E	County Apache	State Arizona
Operator Harken Southwest Corporation		
ADDRESS ALL CORRESPONDENCE CONCERNING THIS FORM TO:		
Street 5605 N. MacArthur Blvd. Suite	City 400 Irving	State Texas 75038-2617
Above named operator authorizes (name of transporter) Giant Industries		
Transporter's street address 5764 Hwy 64	City Farmington	State New Mexico 87401
Field address		
Oil, condensate, gas well gas, casinghead gas		
To transport 100	% of the Condensate	from said lease.
OTHER GATHERERS TRANSPORTING FROM THIS LEASE ARE AS FOLLOWS:		
Name of gatherer Western Gas	% transported 100	Product transported Gas
Indicate whether or not this certificate is for a new lease. If not a new lease, indicate whether or not it is a change of operator, change of lease name, change of gatherer, or a consolidation or subdivision of leases and give effective date of change. Change of Condensate Purchaser (Black Rock #5)		

The undersigned certifies that the rules and regulations of the State of Arizona Oil & Gas Conservation Commission have been complied with in drilling and producing operations on this lease, except as noted above, and that the above transporter is authorized to transport the above specified percentage of the allowable oil or gas produced from the above described property, and that this authorization will be valid until further notice or until cancelled by the State of Arizona Oil & Gas Conservation Commission.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Production Administrator of the Harken Southwest Corporation (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date 11-29-95

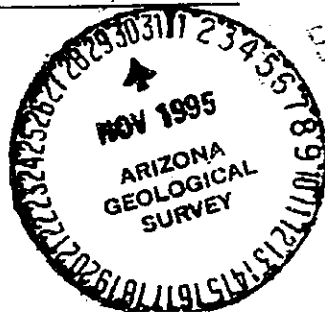
Rachelle Montgomery
Signature

Date approved: 11-30-95

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By: Stephen L. Rains

Permit No. 868



STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Operator's Certificate of Compliance & Authorization to Transport Oil or Gas from Lease File Two Copies Form No. 8
--

ORGANIZATION REPORT

Full Name of the Company, Organization, or Individual

Harken Southwest Corporation

Post Office Address (Box or Street Address)

P. O. Drawer 612007, Dallas, TX 75261 -or- 2505 N. Hwy 360, Suite 800, Grand Prairie, TX

Plan of Organization (State whether organization is a corporation, joint stock association, firm or partnership, or individual)

75050

Corporation

Purpose of Organization (State type of business in which engaged)

Oil & Gas Exploration

If a reorganization, give name and address of previous organization.

Changed name from Chuska Energy Company

If a foreign corporation, give
(1) State where incorporated

Nevada

(2) Name and post office address of state agent
Corporation Service Co.
530 South 4th Street
Las Vegas, Nevada 89101

(3) Date of permit to do business in state

1980

Principal Officers or Partners (if partnership)
NAME

TITLE

POST OFFICE ADDRESS

Mikel D. Faulkner

Chairman of the Board
Chief Executive Officer

P. O. Drawer 612007
Dallas, TX 75261

Richard Schroeder

President
Chief Operating Officer

" "

Bruce Huff

Senior Vice President
Chief Financial Officer

" "

Larry Cummings

Vice President
General Council

" "

DIRECTORS NAME

POST OFFICE ADDRESS

/ All of the above

P. O. Drawer 612007, Dallas, TX 75261

Don Raymond

P. O. Drawer 612007, Dallas, TX 75261

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Production Administrator of the Harken Southwest Corporation (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature Rachelle L. Montgomery

Date 6/24/94



STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

Organization Report
File One Copy

Form No. 1

(Black Rock #5)

OPERATOR'S CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL OR GAS FROM LEASE		
Federal, State, or Indian Lease Number, or lessor's name if fee lease NOG 8707-1140	Field Black Rock	Reservoir Paradox
Survey or Sec-Twp-Rge Section 16-40N-29E	County Apache	State Arizona
Operator RIM Southwest Corporation		
ADDRESS ALL CORRESPONDENCE CONCERNING THIS FORM TO:		
Street 5 Inverness Drive East	City Englewood	State Colorado 80112
Above named operator authorizes (name of transporter) Giant Industries		
Transporter's street address 5764 Hwy 64	City Farmington	State New Mexico 87401
Field Address		
Oil, condensate, gas well gas, casinghead gas		
To transport	100 % of the	Condensate from said lease
OTHER GATHERERS TRANSPORTING FROM THIS LEASE ARE AS FOLLOWS:		
Name of gatherer	% transported	Product transported
Western Gas	100%	Gas
Indicate whether or not this certificate is for a new lease. If not a new lease, indicate whether or not it is a change of operator, change of lease name, change of gatherer, or a consolidation or subdivision of leases and give effective date of change. Harken Southwest Corporation changed its name to RIM Southwest Corporation. See attached copy of Articles of Amendment to the Articles of Incorporation.		

The undersigned certifies that the rules and regulations of the State of Arizona Oil & Gas Conservation Commission have been complied with in drilling and producing operations on this lease, except as noted above, and that the above transporter is authorized to transport the above specified percentage of the allowable oil or gas produced from the above described property, and that this authorization will be valid until further notice or until cancelled by the State of Arizona Oil & Gas Conservation Commission.

CERTIFICATE: I the undersigned, under the penalty of perjury, state that I am the Vice President of the RIM Southwest Corporation (company), and that I am authorized by said company to make this report; that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

1/26/01

Date

Signature

Rene Morin, Vice President

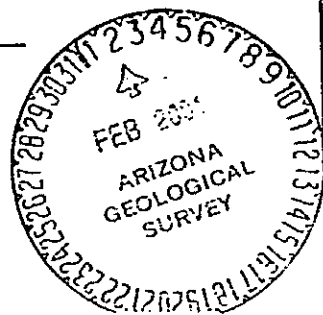
Date approved: 2-5-01

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By: Steven L. Rainey

Permit No. 868

Mail two copies of completed form to:
Oil & Gas Program Administrator
Arizona Geological Survey
418 W. Congress #100
Tucson, AZ 85701-1315

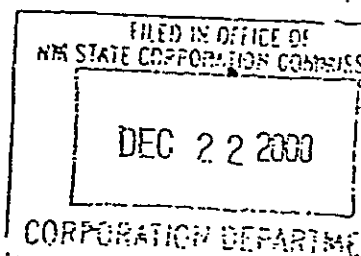


STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Operator's Certificate of Compliance & Authorization to
Transport Oil or Gas from Lease
File Two Copies
Form No. 8

TYPE OR PRINT LEGIBLY
FILE DUPLICATE ORIGINALS
FILING FEE: \$100.00

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION

3214384



Pursuant to the provisions of Section 53-13-4, NMSA 1978, the undersigned corporation adopts the following Articles of Amendment to its Articles of Incorporation:

ARTICLE ONE: (Note 1) The Corporate name and NMSCC# of the corporation as
Harken Southwest Corporation #3066601 1070770

ARTICLE TWO: (Note 2) The following amendment to the Articles of Incorporation was adopted by the Sole Shareholder of the corporation on December 21, 2000 in the manner prescribed by the New Mexico Business Corporation Act:
(Insert amendment or attach exhibit, if needed - Indication should be given to reflect which article(s) number has been amended.)

ARTICLE ONE is amended and shall read as follows:

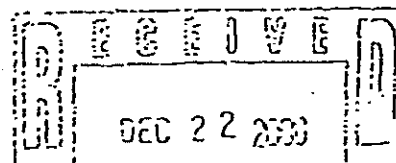
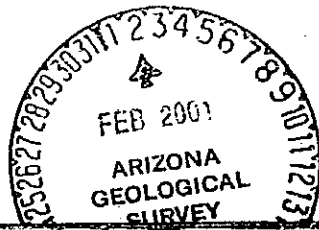
"The name of the corporation is RIM Southwest Corporation."

ARTICLE THREE: (Note 3) The number of shares of the corporation outstanding at the time of such adoption was 20,000 and the number of shares entitled to vote thereon was 20,000.

ARTICLE FOUR: (Note 4) The designation and number of outstanding shares of each class entitled to vote thereon as a class were as follows:

CLASS	NUMBER OF SHARES
One class only of Common Stock	20,000

ARTICLE FIVE: (Note 3) The number of shares voting for such amendment was 20,000 and the number of shares voting against such amendment was 0.



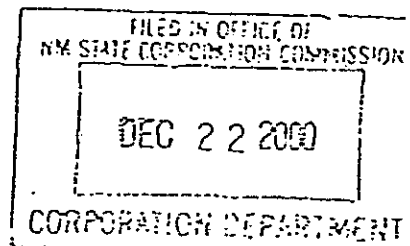
ARTICLE SIX: (Note 3) The number of shares of each class entitled to vote thereon as a class voted for and against such amendment, respectively, was

CLASS	FOR	AGAINST
Common -- only one class	20,000	0

ARTICLE SEVEN: (Note 4) The manner, if not set forth in such amendment, in which any exchange, reclassification, or cancellation of issued shares provided for in the amendment shall be affected, is as follows:

inapplicable

DATED: December 21, 2000



Harken Southwest Corporation
(Note 1) CORPORATE NAME

BY: Stephen W. Rector
(Note 5) Its President
Stephen W. Rector

AND: Rene Morin
(Note 5) Its Vice President
Rene Morin

Under penalty of perjury, the undersigned declares that the foregoing document executed by the corporation and that the statements contained therein are true and correct to the best of my knowledge.

Harken Southwest Corporation
By: Stephen W. Rector
(Note 5) (One of the above officers signs)
Stephen W. Rector, President



RESOLUTION OF THE SOLE SHAREHOLDER
OF
HARKEN SOUTHWEST CORPORATION

A Special Meeting of the sole shareholder of HARKEN SOUTHWEST CORPORATION,
(the "Corporation"), was held beginning at 3:30, Mountain Time, on Thursday December
21, 2000, pursuant to which the sole shareholder consented to, voted in favor of and adopted the
following resolution:

RESOLVED, that the Articles of Incorporation of the Corporation be amended in
the form attached hereto by changing the name of the Corporation as follows:

ARTICLE I

NAME

The name of the corporation is RIM Southwest Corporation.

IN WITNESS WHEREOF, the undersigned has executed this written consent to be
effective as of the 21 day of December 2000.

RIM SW HOLDING CORPORATION, a Colorado
corporation

By: Stephen W. Rector
Name: Stephen W. Rector
Its: President



ORGANIZATION REPORT

Full Name of the Company, Organization, or Individual
RIM SOUTHWEST CORPORATION (FORMERLY KNOWN AS HARKEN SOUTHWEST CORPORATION)

Mailing Address and Phone Number
5 INVERNESS DRIVE EAST, ENGLEWOOD, COLORADO 80112 (303) 799-9828

Plan of Organization (State whether organization is a corporation joint stock association, firm or partnership, or individual)
Corporation

Purpose of Organization (State type of business in which engaged)
Oil & Gas Production/Sales

If a reorganization, give name and address of previous organization
N/A

If a foreign corporation give (1) State where incorporated	(2) Name and mailing address of state agent	(3) Date of permit to do business in state
New Mexico	CT Corporation 322 5 N. Central Avenue Phoenix, AZ 85012	1/16/88
Principal Officers or Partners (if partnership) NAME	TITLE	MAILING ADDRESS
V. A. Isaacs, Jr.	Chairman, Board of Directors	5 Inverness Drive East Englewood, CO 80112
Stephen W. Rector	President	5 Inverness Drive East Englewood, CO 80112
Rene' Morin	Vice President	5 Inverness Drive East Englewood, CO 80112
Robert L. Vesco	Vice President/Secretary/ Treasurer	5 Inverness Drive East Englewood, CO 80112
William J. Holcomb	Vice President	Post Office Box 2058 Farmington, NM 87499

DIRECTORS NAME	MAILING ADDRESS
V. A. Isaacs, Jr.	SAME AS ABOVE
Stephen W. Rector	" "
Rene' Morin	" "
Robert L. Vesco	" "
William J. Holcomb	" "

CERTIFICATE I, the undersigned, under the penalty of perjury state that I am the Secretary of the RIM Southwest Corporation (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Robert L. Vesco
 Signature Robert L. Vesco, Secretary

1/25/01

Date

Mail completed form to
 Oil and Gas Program Administrator
 Arizona Geological Survey
 416 W Congress., #100
 Tucson, AZ 85701



STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION

Organization Report
 File One Copy

Form No. 1